Save as PDF

Attachment 7 EJSCREEN
Los Angeles Station

EPA United States Environmental Protection Agency

EJSCREEN Report (Version 2020)
1 mile Ring Centered at 34.009548,-118.191819
CALIFORNIA, EPA Region 9
Approximate Population: 12,194
Input Area (sq. miles): 3.14

Selected Variables	Percentile in State	Percentile in EPA Region	Percentile in USA
EJ Indexes			
EJ Index for Particulate Matter (PM 2.5)	84	86	95
EJ Index for Ozone	79	80	93
EJ Index for NATA* Diesel PM	92	92	95
EJ Index for NATA* Air Toxics Cancer Risk	87	88	95
EJ Index for NATA* Respiratory Hazard Index	86	88	95
EJ Index for Traffic Proximity and Volume	98	98	99
EJ Index for Lead Paint Indicator	96	97	98
EJ Index for Superfund Proximity	90	92	96
EJ Index for RMP Proximity	99	99	99
EJ Index for Hazardous Waste Proximity	98	98	98
EJ Index for Wastewater Discharge Indicator	92	92	97

EJ Index for the Selected Area Compared to All People's Blockgroups in the State/Region/USEJ IndexesPM 2.5OzoneNATA Diesel PMNATA Cancer RiskNATA Respiratory HITraffic ProximityLead Paint IndicatorSuperfund ProximityRMP ProximityHazardous Waste ProximityWastewater Discharge IndicatorPercentile0255075100
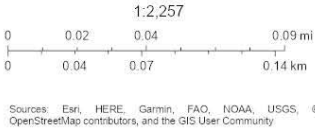
State Percentile   Regional Percentile   National Percentile

This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

June 11, 2021

⊕ Project 1

⊕ Search Result (point)

1:2,257

| 0 | 0.02 | 0.04 | 0.09 mi |
| 0 | 0.04 | 0.07 | 0.14 km |

Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	10

Selected Variables	Value	State		EPA Region		USA	
		Avg.	%tile	Avg.	%tile	Avg.	%tile
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m^3)	12.8	10.6	87	9.99	90	8.55	98
Ozone (ppb)	49.7	49.2	54	50.1	44	42.9	87
NATA* Diesel PM (µg/m^3)	0.965	0.467	96	0.479	90-95th	0.478	90-95th
NATA* Air Toxics Cancer Risk (risk per MM)	49	36	97	35	95-100th	32	95-100th
NATA* Respiratory Hazard Index	0.73	0.55	92	0.53	90-95th	0.44	95-100th
Traffic Proximity and Volume (daily traffic count/distance to road)	11000	2000	97	1700	98	750	99
Lead Paint Indicator (% pre-1960s housing)	0.82	0.29	94	0.24	95	0.28	93
Superfund Proximity (site count/km distance)	0.25	0.17	87	0.15	89	0.13	89
RMP Proximity (facility count/km distance)	14	1.1	99	0.99	99	0.74	99
Hazardous Waste Proximity (facility count/km distance)	26	6.2	99	5.3	99	5	97
toxicity-weighted concentration/m							

Wastewater Discharge Indicator (distance)	0.59	18	87	18	88	9.4	93
Demographic Indicators							
Demographic Index	79%	47%	92	46%	93	36%	95
People of Color Population	98%	62%	95	60%	95	39%	97
Low Income Population	61%	33%	87	33%	87	33%	89
Linguistically Isolated Population	27%	9%	92	8%	93	4%	96
Population with Less Than High School Education	50%	17%	94	16%	95	13%	98
Population under Age 5	7%	6%	62	6%	62	6%	65
Population over Age 64	10%	14%	42	14%	42	15%	32

*The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice
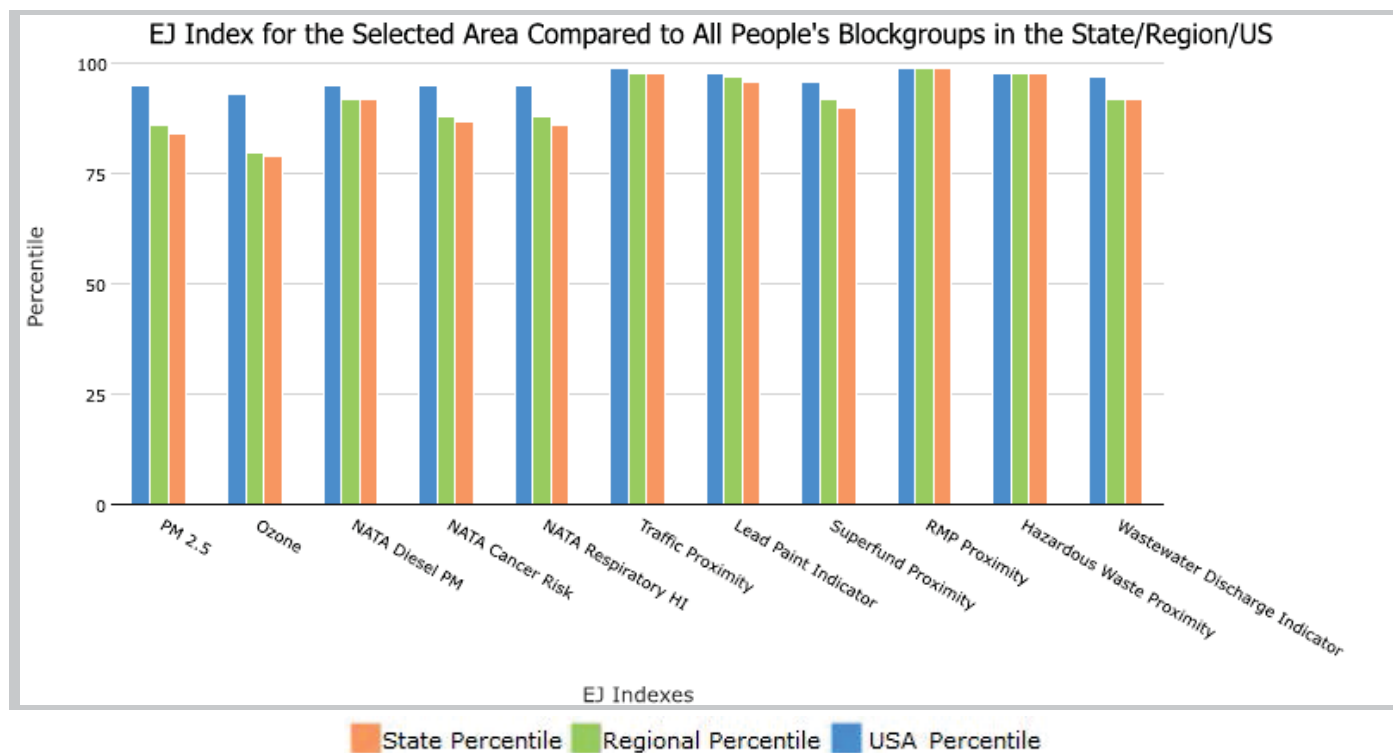
Barstow Station

1 mile Ring Centered at 34.009550,-118.191819, CALIFORNIA, EPA Region 9

Approximate Population: 12,194

Input Area (sq. miles): 3.14

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	84	86	95
EJ Index for Ozone	79	80	93
EJ Index for NATA* Diesel PM	92	92	95
EJ Index for NATA* Air Toxics Cancer Risk	87	88	95
EJ Index for NATA* Respiratory Hazard Index	86	88	95
EJ Index for Traffic Proximity and Volume	98	98	99
EJ Index for Lead Paint Indicator	96	97	98
EJ Index for Superfund Proximity	90	92	96
EJ Index for RMP Proximity	99	99	99
EJ Index for Hazardous Waste Proximity	98	98	98
EJ Index for Wastewater Discharge Indicator	92	92	97

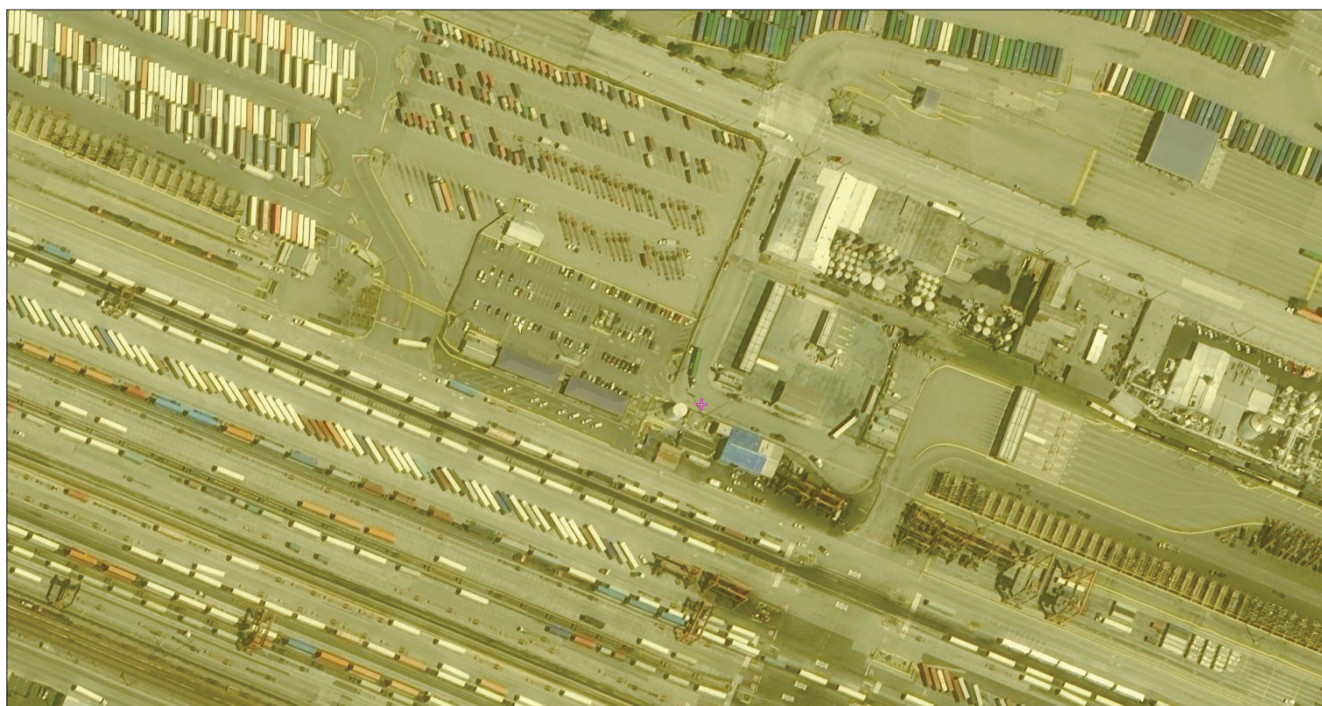EJ Index for the Selected Area Compared to All People's Blockgroups in the State/Region/US

This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

EJSCREEN Report (Version 2020)

1 mile Ring Centered at 34.009550,-118.191819, CALIFORNIA, EPA Region 9

Approximate Population: 12,194
Input Area (sq. miles): 3.14

June 11, 2021

🔸 Project 4
🔸 Project 3
🔸 BNSF Los Angeles Station
🔸 Project 1

1:2,257

| 0 | 0.02 | 0.04 | 0.09 mi |
| 0 | 0.04 | 0.07 | 0.14 km |

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	10

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m^3)	12.8	10.6	87	9.99	90	8.55	98
Ozone (ppb)	49.7	49.2	54	50.1	44	42.9	87
NATA* Diesel PM (µg/m^3)	0.965	0.467	96	0.479	90-95th	0.478	90-95th
NATA* Cancer Risk (lifetime risk per million)	49	36	97	35	95-100th	32	95-100th
NATA* Respiratory Hazard Index	0.73	0.55	92	0.53	90-95th	0.44	95-100th
Traffic Proximity and Volume (daily traffic count/distance to road)	11000	2000	97	1700	98	750	99
Lead Paint Indicator (% Pre-1960 Housing)	0.82	0.29	94	0.24	95	0.28	93
Superfund Proximity (site count/km distance)	0.25	0.17	87	0.15	89	0.13	89
RMP Proximity (facility count/km distance)	14	1.1	99	0.99	99	0.74	99
Hazardous Waste Proximity (facility count/km distance)	26	6.2	99	5.3	99	5	97
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.59	18	87	18	88	9.4	93
Demographic Indicators							
Demographic Index	79%	47%	92	46%	93	36%	95
People of Color Population	98%	62%	95	60%	95	39%	97
Low Income Population	61%	33%	87	33%	87	33%	89
Linguistically Isolated Population	27%	9%	92	8%	93	4%	96
Population With Less Than High School Education	50%	17%	94	16%	95	13%	98
Population Under 5 years of age	7%	6%	62	6%	62	6%	65
Population over 64 years of age	10%	14%	42	14%	42	15%	32

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice